

Date: November 22nd, 2023

**P.E.I.
Public Forests**



Woodlot Management Plan

Property Number: 24786

Location: Mount Pleasant

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Goals and Management Objectives

Forest Management on Prince Edward Island (P.E.I.) means different things to different people. Public Forest Lands are managed for a variety of reasons including timber and non-timber values, wildlife enhancement, soil and water preservation, demonstration techniques, training and recreation and aesthetics.

The primary goal for management of P.E.I. Public Forest Land is to enhance the overall forest quality. To accomplish this, it may be necessary to remove some of the lower quality trees on the property and nurture those of higher quality. This will in turn improve genetic quality, species distribution and diversity through careful tree selection and natural regeneration. Allowing acceptable growing stock the chance to thrive and provide a seed source for the surrounding areas will ensure that quality natural regeneration has an opportunity to establish. Enhancement or enrichment planting may be necessary in areas where there is inadequate or unsuitable natural regeneration. Trees native to P.E.I. that are suitable to the site conditions will be chosen for any required reforestation on the property. Prescribing treatments in some stands while leaving others untreated will provide for a range of forest types. Converting stands from a single species to multiple species is desirable. This can be accomplished by retaining some of the natural regeneration in areas that have been previously planted and by planned tree selection in stand improvement treatments. Planted and natural stands on the property will be assessed for health and growth of desired species on an on-going basis. This information will be used to determine when and where future treatments will be carried out. Through time, a favourable healthy mixture of short-lived and long-lived species will provide for an abundance of quality forest products, biodiversity, wildlife, and recreational opportunities as well as a range of ecological goods and services (such as clean air and water).

Property Overview

Location

Property # 24786 is located on the Port Hill Station Road, Route #169, in the community of Mt. Pleasant, P.E.I., (Appendix A). The total area of this property is 47.8 hectares (118 acres) and the midpoint of the property is Latitude N 46.577015 decimal degrees, Longitude W -63.985595 decimal degrees.

Past Information

Local records and previous aerial photography show that the southern third of this property was used for agricultural purposes early in the 20th century. The northern end of the property in original woodland shows a number of cutting patterns on this photo, indicating some logging in the past. To better illustrate this 1935 and 1968 photography can be seen in Appendix B and Appendix C.

Property Information

The information in Appendix D has been taken from the 2020 Corporate Land Use Inventory. An explanation of forestry code meanings can be seen in Appendix E. Any stands that have proposed silvicultural treatment prescriptions are to have on-ground stand assessments completed prior to any work being started. This on-ground assessment information is included in this plan as updated stand tally sheets (Appendix F) and supplements the extrapolated data where applicable. A topographic map of the property shows the general terrain profile, the ranges in elevation and the plantations currently on the property (Appendix G).

Wetland and Watercourses

There is a mapped wetland located at the northern end of the woodlot, about 2.8 ha in size (Appendix A). A 15 metre buffer zone is to be maintained around this wetland.

Property Access

There is a small entryway onto the woodlot in the southern portion that provides a short access road into the woodlot. Another main access road is found on the adjacent Provincial parcel to the east (PID 25320). This also provides good access to a portion of the land. The southern end of the woodlot borders on the Port Hill Station Road. There are no plans for any further road construction at this point. Ongoing road maintenance will be required to keep the roads in a useable condition. This will include keeping the right-of-way clear of any brush or trees, repairing rutting on the road, repairing any wet areas that restrict access, and any other maintenance required to keep this road usable. The existing roads can be seen on Appendix A.

Property Boundaries

This property is bounded on the north by the Central Prince Grasslands Cooperative. The southern boundary fronts on the Port Hill Station Road. The east boundary is located along another Provincially-owned property. The west boundary is found along adjacent private land.

Fire Protection

This property is located within the jurisdiction of the Tyne Valley Fire Department. The amount of personnel and equipment used to fight any forest fires will depend greatly upon the size and severity of the fire. Protection of our woodland from forest fire is the responsibility of the Forests, Fish and Wildlife Division and our local community fire brigades. In the Western District, there are four-wheel

drive forestry fire trucks housed at the Wellington and West Point Fire Departments. These heavy-duty trucks are available to assist the local fire department responsible for this area. Additional forestry fire trucks, off road tracked vehicles, portable pumps and specialized forest fire suppression equipment are available if needed

Planting and Silviculture

There are 10 plantations on the property. It is recommended that any trees planted on the property be assessed at regular intervals. These assessments will determine if the planted trees require manual maintenance or fill planting as specified in the ECOSYSTEM-BASED FOREST MANAGEMENT STANDARDS MANUAL (“Eco Manual”). A list of all silviculture treatments completed on the property from 1991 to present is shown in Appendix H.

Proposed Treatments

The 2006 Forest Policy “Moving to Restore a Balance in Island Forests” lays out the framework for Public Land Forest management. The Eco-Manual provides details for prescribed treatments. All work completed on this property must comply with that manual. Although all stands were assessed, only specific stands were prescribed treatments to accomplish goal(s) within the next 10 years. Table 1 provides a summary of these proposed treatments. Proposed treatments may be updated in 5 years, when the 10-year period expires, or due to unforeseen events. This table will be updated as required when additional treatments are prescribed. For a better understanding of the treatments prescribed, a more detailed explanation is available in the ECOSYSTEM-BASED FOREST MANAGEMENT STANDARDS MANUAL (“Eco Manual”)

www.princeedwardisland.ca/sites/default/files/publications/2018_eco_manual_technical_version_-

[final.pdf](#) . Any additional information may be obtained by contacting a Provincial Forest representative at the District Forestry Office in Wellington.

Table 1. Proposed Treatment Summary.

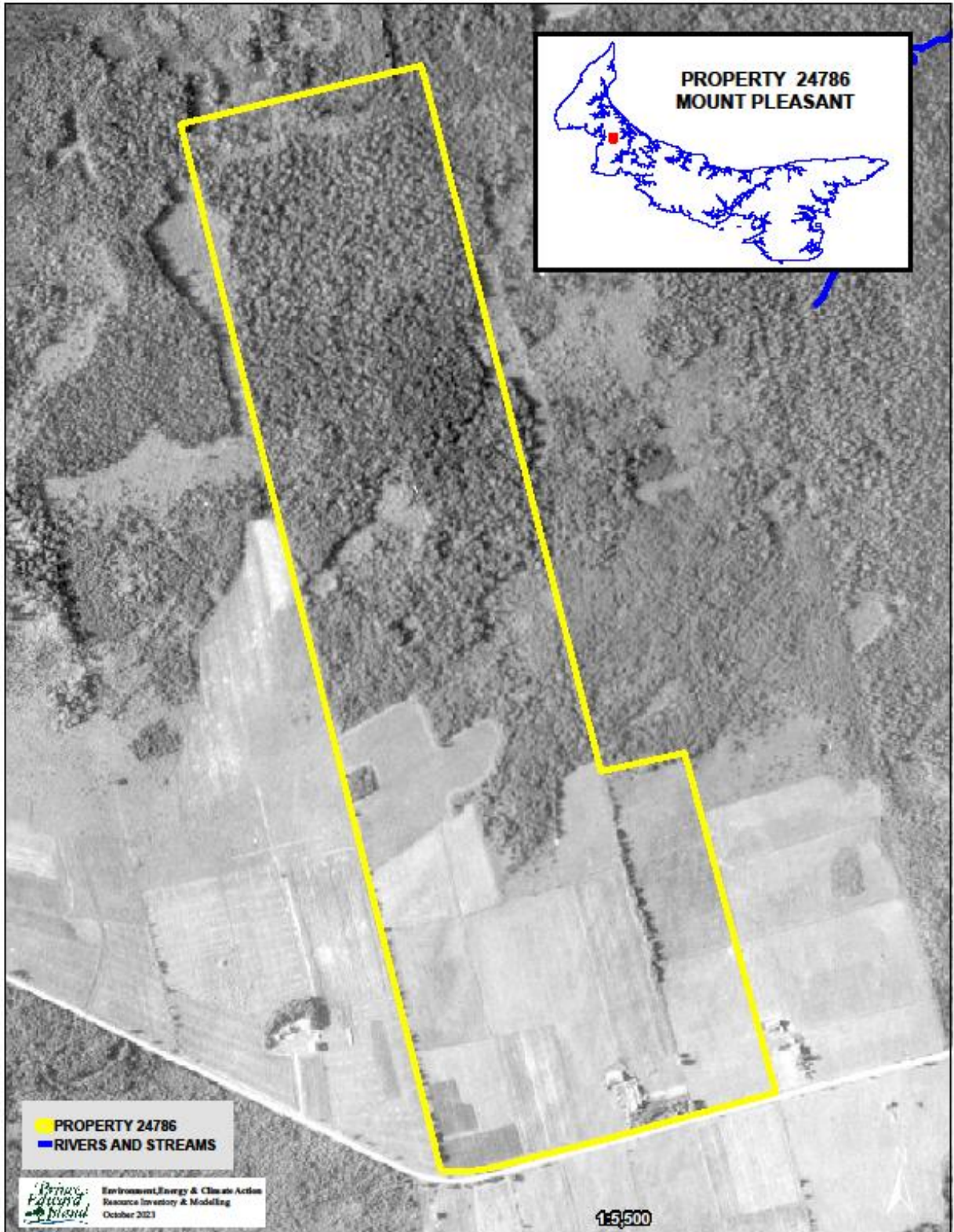
Stand Number and Plantation Number	Treatment Type	Treatment Year	Amount Proposed	2018 Eco-Manual Reference	Comments	Goals
0460552, PN 3901531	Block Harvest	2023	1.30	Pg. 30	BS stand with blowdown from hurricane Fiona. Leave any windfirm hardwoods for retention.	Salvage wood.
0460557, PN 3801621	Block Harvest	2023	1.63	Pg. 30	BS and LA stand with blowdown from hurricane Fiona. Leave any windfirm hardwoods for retention.	Salvage wood.
0460822	Patch Harvest	2023	0.4	Pg. 29	Salvage blowdown WS pockets in the stand.	Salvage wood
460553	Block Harvest	2023	0.80	Pg. 30	WS stand with blowdown from hurricane Fiona. Leave any windfirm hardwoods for retention.	Salvage wood.
0460552, PN 3901531	Manual Site Preparation & Reforestation	2024	1.30	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site. Could plant WS, BS, WP, LA, YB, SM or WA.	Regenerate a biodiverse forest stand.
0460557, PN 3801621	Manual Site Preparation & Reforestation	2024	1.63	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site. Could plant WS, BS, WP, LA, YB, SM or WA.	Regenerate a biodiverse forest stand.
0461118, PN 3130022	Manual Maintenance	2024	2.70	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.
0461117, 0461015, PN 3130021	Manual Maintenance	2024	3.30	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.

0460822	Manual Site Preparation & Reforestation	2024	0.4	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site. Could plant WS, BS, WP, LA, YB, SM or WA.	Regenerate a biodiverse forest stand.
460553	Manual Site Preparation & Reforestation	2024	0.80	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site. Could plant WS, BS, WP, LA, YB, SM or WA.	Regenerate a biodiverse forest stand.
0460532, 0460438	Strip Harvest	2025	2.46	Pg. 28	Monitor for signs of stand decline, then strip harvest, protecting any existing BS/RS regeneration and leaving some trees for seed source.	Salvage wood while protecting regeneration and leaving source trees for seed.
0460532, 0460438	Manual Site Preparation & Reforestation	2025	2.46	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site to supplement natural regeneration. Could plant RS, BS, WP, LA, YB, SM or WA.	Regenerate a biodiverse forest stand.
0460552, PN 3901531	Manual Maintenance	2027	1.30	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.
0460557, PN 3801621	Manual Maintenance	2027	1.63	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.
0460822	Manual Maintenance	2027	0.4	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.
460553	Manual Maintenance	2027	0.80	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.
0460532, 0460438	Manual Maintenance	2028	2.46	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.
0460560, 0460557, PN 3831641	Block Harvest	2030	0.70	Pg. 30	Monitor for signs of stand decline and block harvest if necessary.	Salvage wood.
0460560, 0460557, PN 3831641	Manual Site Preparation & Reforestation	2030	0.70	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site. Could plant WS, BS, WP, LA, YB, SM or WA.	Regenerate a biodiverse forest stand.

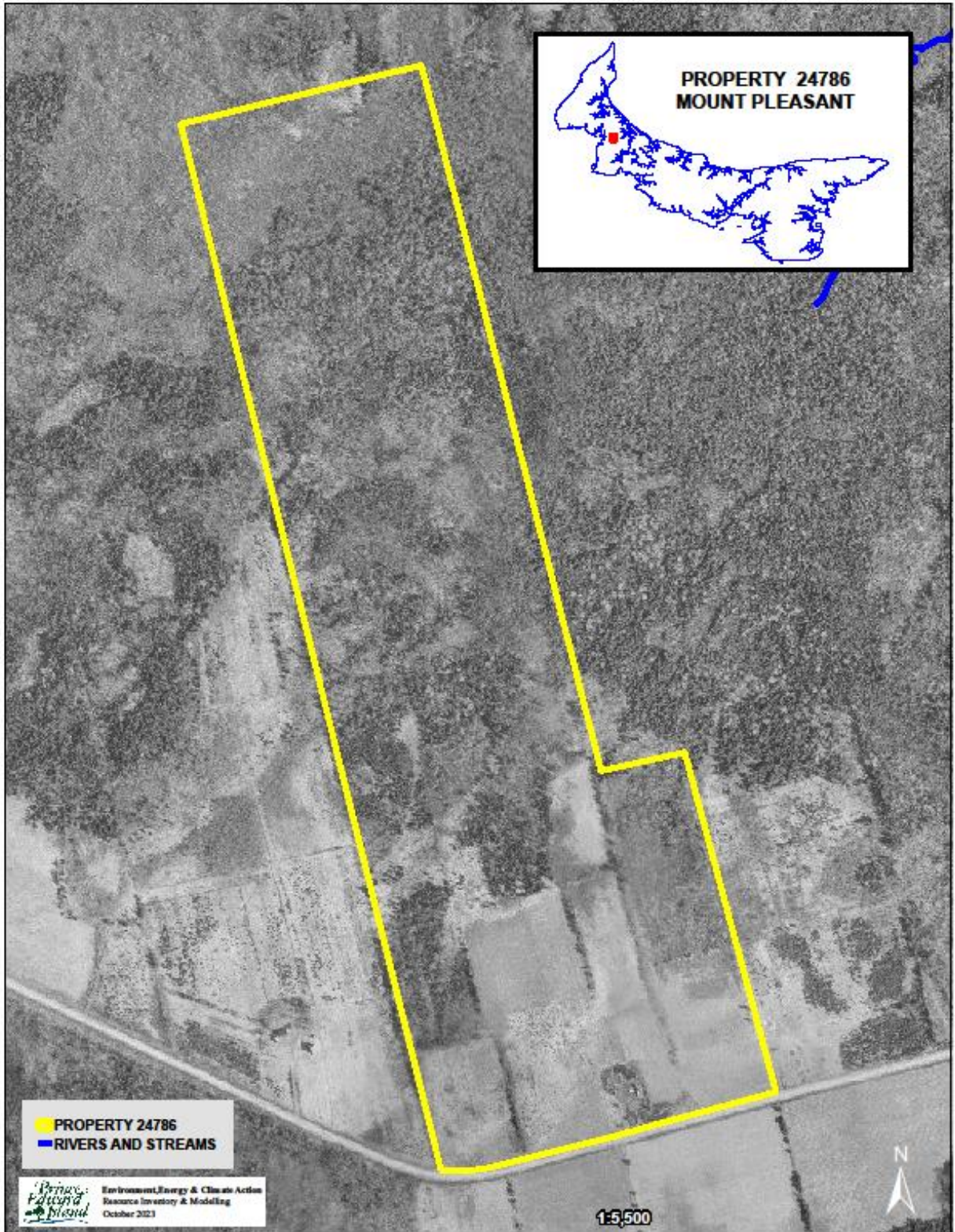
0460559, PN 3811571	Modified Strip Harvest	2030	0.95	Pg. 28	Remove JL while leaving any hardwoods for retention and using strip harvest method to protect natural regeneration already present in the stand.	Salvage wood while protecting natural regeneration.
0460559, PN 3811571	Manual Site Preparation & Reforestation	2030	0.95	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site to supplement natural regeneration. Could plant WS, BS, WP, LA, YB, SM or WA.	Regenerate a biodiverse forest stand.
040560, PN 3610003	Modified Strip Harvest	2030	2.80	Pg. 28	Remove SP while leaving any hardwoods, or RP for retention and using strip harvest method to protect natural regeneration already present in the stand. Some SP could be girdled and left as snags for wildlife.	Salvage wood while protecting natural regeneration and residual stems.
040560, PN 3610003	Manual Site Preparation & Reforestation	2030	2.80	Pg. 14 & Pg. 16	Create microsites for planting and plant with tree species suitable for the site to supplement natural regeneration. Could plant WS, BS, WP, LA, YB, SM or WA.	Regenerate a biodiverse forest stand.
0460560, 0460557, PN 3831641	Manual Maintenance	2033	0.70	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.
0460559, PN 3811571	Manual Maintenance	2033	0.95	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.
040560, PN 3610003	Manual Maintenance	2033	2.80	Pg. 17	Eliminate undesirable competing vegetation.	Improve growth of crop trees.

Appendices

Appendix B. 1935 Aerial Photography



Appendix C. 1968 Aerial Photography



Appendix D. 2020 Corporate Land Use Inventory

FIELDID	COVER1	PER1	COVER2	PER2	COVER3	PER3	COVER4	PER4	COVER5	PER5	HEIGHT	CROWN	HECTARES	WOODSTOCK
0460559	JL	10.0		0.0		0.0		0.0		0.0	18.0	85.0	0.95	SWPR
0460806	RM	5.0	WB	2.0	PO	2.0	WS	1.0		0.0	12.0	85.0	2.00	IHMX
0460822	RM	5.0	PO	3.0	WS	1.0	WB	1.0		0.0	17.0	85.0	1.45	IHMX
0461300	RM	5.0	PO	3.0	WS	1.0	WB	1.0		0.0	17.0	80.0	3.51	IHMX
0460782	RM	7.0	WS	2.0	WB	1.0		0.0		0.0	12.0	60.0	2.30	RMPR
0461117	BS	5.0	PO	3.0	RM	2.0		0.0		0.0	17.0	25.0	2.60	IHMX
0460786	WB	4.0	AL	2.0	BF	2.0	RM	1.0	LA	1.0	4.0	75.0	0.03	IHMX
0461301	RM	8.0	WB	1.0	PO	1.0		0.0		0.0	13.0	75.0	0.60	RMPR
0461015	PO	4.0	RM	3.0	BF	1.0	WS	1.0	WB	1.0	14.0	85.0	1.69	IHMX
0460552	BF	3.0	BS	3.0	WB	2.0	RM	1.0	PO	1.0	12.0	85.0	1.35	SWIH
0460557	BS	8.0	LA	2.0		0.0		0.0		0.0	12.0	85.0	2.13	BSPR
0460553	WS	6.0	PO	2.0	BF	1.0	RM	1.0		0.0	17.0	50.0	3.72	SPBF
0460538	WS	3.0	PO	3.0	RM	2.0	BS	1.0	WB	1.0	16.0	55.0	0.10	IHSW
0460787	RM	4.0	WS	2.0	PO	2.0	WB	1.0	YB	1.0	14.0	75.0	7.10	IHMX
0460816	NS	5.0	RM	2.0	WB	1.0	AL	1.0	PO	1.0	8.0	70.0	0.20	SWIH
0461097	WP	10.0		0.0		0.0		0.0		0.0	3.0	0.0	1.55	WP
0460560	SP	5.0	WB	2.0	WS	1.0	RM	1.0	RP	1.0	16.0	85.0	3.03	SWMX
0460526	WS	4.0	RM	3.0	PO	1.0	BF	1.0	BS	1.0	15.0	65.0	0.08	SWIH
0461118	PO	5.0	RM	3.0	WS	1.0	WB	1.0		0.0	17.0	35.0	2.70	IHMX
0460532	BS	4.0	RM	2.0	BF	2.0	PO	1.0	RS	1.0	12.0	85.0	2.26	SWMX
0460790	RM	5.0	PO	2.0	CE	1.0	AL	1.0	WB	1.0	17.0	80.0	1.56	IHMX
0460438	WS	4.0	RM	2.0	RS	2.0	PO	1.0	BS	1.0	15.0	70.0	0.20	SWMX
0461156	RM	7.0	WS	2.0	BS	1.0		0.0		0.0	9.0	55.0	0.04	RMPR

Appendix E. Forest Inventory Codes

EXPLANATION OF FOREST CODES; SPECIES

WS	White Spruce	JL	Japanese Larch	WB	White Birch
BF	Balsam Fir	EL	European Larch	PO	Poplar
HE	Hemlock	NS	Norway Spruce	RM	Red Maple
WP	White Pine	PC	Pin Cherry	RO	Red Oak
RP	Red Pine	MA	Apple	WA	White Ash
JP	Jack Pine	SP	Scots Pine	EM	Elm
CE	Cedar	AP	Austrian Pine	GB	Gray Birch
LA	Larch	YB	Yellow Birch	AL	Alders
BS	Black Spruce	SM	Sugar Maple	LI	Linden
RS	Red Spruce	BE	Beech		

PERCENT

0	1 - 9%
1	10 - 19%
2	20 - 29%
3	30 - 39%
4	40 - 49%
5	50 - 59%
6	60 - 69%
7	70 - 79%
8	80 - 89%
9	90 - 100%

CROWN CLOSURE

A	91 % - 100%
B	81 % - 90 %
C	71 % - 80 %
D	61 % - 70 %
E	51 % - 60 %
F	41 % - 50 %
G	31 % - 40 %
H	21 % - 30 %
I	11 % - 20 %
J	0 % - 10 %

ORIGIN AND HISTORY

BR	Burn	DI	Disease-Insect
WF	Wind Fall	OF	Old Field
PC	Partial Cut	PN	Plantation
CC	Clear Cut	HR	Hedgerow
TH	Thinning	EP	Excavation Pit

SAMPLE DESCRIPTIONS

FOREST STAND DESCRIPTIONS

75401 – Stand No.

SM5RM4 – Sugar Maple 50%, Red Maple40%

WS1 12A – White Spruce 10%, Height, Crown Closure

OF – Origin History Old Field

Stand Numbering relates to the position of the stand within a 100 X 100 grid cell over lay with the minimum values in the southwest corner and the maximum values in the northeast corner.

A stand labeled 75 40 1 would be positioned within easting grid 75 and northing grid 40 and would be the first stand within that grid cell.

NON-FOREST LAND TYPES

BO	Bog	AL	Alders
CL	Clear Land	FL	Flowerage
SO	Swamps – Open	AG	Agricultural Land
EP	Excavation Pit	SD	Sand Dune
PL	Power Line	UR	Urban
C	Cemetery	WW	Water

FOREST GROUND CONDITION

SW	Wet – Swampy
ST	Steep
SY	Sandy

Appendix F. Stand Tally Sheets from on the Ground Assessment

STAND TALLY SHEET												
CRUISER	J. LeClair			STAND #	0460552			PLANTATION #	3901531			
PROPERTY #	24786 Mount Pleasant			AREA	1.3 ha			Date	20 / 10 / 2023	D	M	Y
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	BS	33	16	12	60	4						
2	LA	33	15.5	14	30	5						
3						6						
STAND INFORMATION												
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha	
Species and (%)	BS40	%	LA30	%	RM10	%	GB10	%	WA, BF	10%		
Even-aged	X	Uneven-aged								Biomass		
Slope	0	%	Aspect	L								
Stand Origin:	Old Field	X	Partial Cut			Burn			Unploughed			
	Windfall			Non Forest					Ploughed			
	Clear Cut			Unknown								
Stand Maturity Class:	Regeneration				Immature	X	Mature			Over-mature		
Stand Stocking:	Understocked				Fully Stocked	X	Overstocked			Patchy		
Density:	SW	1,600	HW	600								
Advanced Regeneration:	Understocked		X	Fully Stocked			Overstocked			Patchy	X	
Regeneration:	1. Spp.	RM	Height	1-5 m	2. Spp.	BF	Height	1-5 m				
	3. Spp.		Height		4. Spp.		Height					
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	bunchberry, sarsaparilla, beaked hazelnut, bracken fern											
Ground Hemlock	X	Y / N										
Invasive Species Present	Y / N		X	If yes then what species:								
Site Indicators	Y / N		X	If yes then what species:								
ENVIRONMENTAL OBSERVATIONS												
Water Course	N	Bog	Pond	Stream	Seeps			Beaver Present	Y / N			
Drainage:	Poor	Moderate	X	Good	Excellent			Erosion Control Required	Y / N			
Snag Trees:	Adequate	Inadequate		X								
Coarse Woody Material:	Adequate	X	Inadequate									
Dens	Nests (Raptors, songbirds, etc.)											
Wildlife Observed	None seen.											
Comments												
STAND PRESCRIPTION												
No Treatment			Regeneration Cut			Crop Tree Release			Block Cut	X		
Shelterwood Cut			Selection Cut			Patch Cut			Strip Cut			
Commercial Thinning			Afforestation			Site Preparation	X					
Pre-commercial Thinning			Reforestation	X		Riparian Zone Mgmt						
Pln. Maint.	X	Y / N	Stems/Ha									
Comments:	Approximately 30% of the stand has blowdown, mostly along the southern edge. A patch cut could be done to salvage blowdown. Could plant WS, BS, WP, LA, YB, SM or WA.											

STAND TALLY SHEET

CRUISER	J. LeClair	STAND #	0460557	PLANTATION #	3801621
PROPERTY #	24786 Mount Pleasant	AREA	1.63 ha	Date	3 / 11 / 2023
				D	M Y

SAMPLE TREE INFORMATION

Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	BS	43	19	15.5	40	4					
2	LA	43	25.5	17	35	5					
3						6					

STAND INFORMATION

Stand Basal Area	SW	M ² /Ha	SWSL	M ² /Ha	HW	M ² /Ha	HWSL	M ² /Ha
Species and (%)	BS70 %	LA20 %	GB5 %	WB5 %				
Even-aged	X	Uneven-aged					Biomass	
Slope	0 %	Aspect	L					
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed	
	Windfall		Non Forest				Ploughed	X
	Clear Cut		Unknown					
Stand Maturity Class:	Regeneration		Immature	X	Mature		Over-mature	
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy	
Density:	SW	2,200	HW	100				
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy	X
Regeneration:	1. Spp.	BF	Height	1 m	2. Spp.	GB	Height	1-2 m
	3. Spp.		Height		4. Spp.		Height	

GROUND OBSERVATIONS

Ground Vegetation Species Present:	Mountain maple, beaked hazelnut, clubmoss, bracken fern
Ground Hemlock	X Y / N
Invasive Species Present	Y / N X If yes then what species:
Site Indicators	Y / N X If yes then what species:

ENVIRONMENTAL OBSERVATIONS

Water Course	N	Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor	Moderate	X	Good	X	Excellent		Erosion Control Required		Y / N	
Snag Trees:	Adequate	X	Inadequate								
Coarse Woody Material:	Adequate	X	Inadequate								
Dens		Nests (Raptors, songbirds, etc.)									
Wildlife Observed	Red squirrel										
Comments											

STAND PRESCRIPTION

No Treatment		Regeneration Cut		Crop Tree Release		Block Cut	X
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut	
Commercial Thinning		Afforestation		Site Preparation	X		
Pre-commercial Thinning		Reforestation	X	Riparian Zone Mgmt			
Pln. Maint.	X Y / N	Stems/Ha					
Comments:	This site has around 50% blowdown. Block harvest to salvage wood. Could plant WS, BS, LA, WP, WA, YB or SM.						

STAND TALLY SHEET														
CRUISER	J. LeClair			STAND #	0460822			PLANTATION #						
PROPERTY #	24786 Mount Pleasant			AREA	1.45 ha			Date	20 / 10 / 2023					
									D	M	Y			
SAMPLE TREE INFORMATION														
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%			
1	PO	50+	39	20	30	4								
2	WS	50+	29	14	40	5								
3	RM	50+	26	14	60	6								
STAND INFORMATION														
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha			
Species and (%)	PO40	%	RM40	%	WS10	%	WA, BF 10%							
Even-aged	X		Uneven-aged									Biomass		
Slope	0 %		Aspect		L									
Stand Origin:	Old Field	X		Partial Cut	Burn		Unploughed							
	Windfall			Non Forest	Ploughed									
	Clear Cut			Unknown										
Stand Maturity Class:	Regeneration			Immature			Mature		X			Over-mature	X	
Stand Stocking:	Understocked			Fully Stocked			X		Overstocked		Patchy			
Density:	SW	400	HW	1,000										
Advanced Regeneration:	Understocked			X			Fully Stocked		Overstocked		Patchy			
Regeneration:	1. Spp.	RM		Height	3 m			2. Spp.	BF		Height	1-5 m		
	3. Spp.	WA		Height	5 m			4. Spp.						
GROUND OBSERVATIONS														
Ground Vegetation Species Present:	beaked hazelnut, winterberry, bunchberry, mountain ash													
Ground Hemlock	X		Y / N											
Invasive Species Present			Y / N		X		If yes then what species:							
Site Indicators			Y / N		X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS														
Water Course	N		Bog		Pond		Stream		Seeps		Beaver Present		Y / N	
Drainage:	Poor		Moderate		X		Good		X		Excellent		Erosion Control Required	Y / N
Snag Trees:	Adequate		X		Inadequate									
Coarse Woody Material:	Adequate		X		Inadequate									
Dens	Nests (Raptors, songbirds, etc.)													
Wildlife Observed	None seen.													
Comments														
STAND PRESCRIPTION														
No Treatment				Regeneration Cut			Crop Tree Release			Block Cut				
Shelterwood Cut				Selection Cut			Patch Cut		X		Strip Cut			
Commercial Thinning				Afforestation			Site Preparation		X					
Pre-commercial Thinning				Reforestation			X		Riparian Zone Mgmt					
Pln. Maint.	X		Y / N		Stems/Ha									
Comments:	This stand is about 30% blown down, with mostly overmature PO and WS no longer standing. One could do patch harvests to salvage blowdown WS, and either plant patches or allow natural regeneration to occur. Patch harvest about 0.4 ha of the 1.45 ha stand.													

STAND TALLY SHEET												
CRUISER	J. LeClair			STAND #	0460553			PLANTATION #				
PROPERTY #	24786 Mount Pleasant			AREA	3.72 ha			Date	3 / 11 / 2023	D	M	Y
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	WS	50+	27	16	35	4						
2	WS	50+	30	17	50	5						
3	LA	50+	31	17	50	6						
STAND INFORMATION												
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha	
Species and (%)	WS60 %	BF10 %	PO10 %	AI 10 %	Elm, RM 10 %							
Even-aged	X		Uneven-aged									
Slope	0 %		Aspect	L								
Stand Origin:	Old Field	X		Partial Cut			Burn			Unploughed		
	Windfall			Non Forest						Ploughed		
	Clear Cut			Unknown								
Stand Maturity Class:	Regeneration			Immature			Mature		X			Over-mature
Stand Stocking:	Understocked			Fully Stocked			X		Overstocked		Patchy	
Density:	SW	2,000		HW	200							
Advanced Regeneration:	Understocked			X			Fully Stocked		Overstocked		Patchy	
Regeneration:	1. Spp. BF		Height		0.5- 1 m		2. Spp. Mtn ash		Height		1 m	
	3. Spp. RM		Height		1 m		4. Spp. WA		Height		1.5 m	
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	beaked hazelnut, bunchberry, wild raisin, bracken fern, raspberry											
Ground Hemlock	Y / N		X									
Invasive Species Present	Y / N		X		If yes then what species:							
Site Indicators	X		Y / N		If yes then what species: sensitive fern - wet site central part of stand							
ENVIRONMENTAL OBSERVATIONS												
Water Course	N		Bog		Pond		Stream		Seeps		Beaver Present	
Drainage:	Poor		X		Moderate		X		Good		Excellent	
Snag Trees:	Adequate		X		Inadequate							
Coarse Woody Material:	Adequate		X		Inadequate							
Dens	Nests (Raptors, songbirds, etc.)											
Wildlife Observed	Red squirrel seen.											
Comments												
STAND PRESCRIPTION												
No Treatment				Regeneration Cut			Crop Tree Release			Block Cut		
Shelterwood Cut				Selection Cut			Patch Cut			Strip Cut		
Commercial Thinning				Afforestation			Site Preparation			X		
Pre-commercial Thinning				Reforestation			X			Riparian Zone Mgmt		
Pln. Maint.	X		Y / N		Stems/Ha							
Comments:	<p><u>This stand has over 50% blowdown from hurricane Fiona. Block harvest (opening size no greater than 2.0 ha) to salvage wood. Could plant WS, BS, WP, LA, YB, SM or WA. The central portion of stand has wetter ground and could be left as retention to protect soils and serve other biodiversity values. Block harvest for immediate salvage is about 0.3 ha. There is a 0.5 ha patch of spruce on the west side of the stand still standing that could be harvested at a later date if the stand starts to decline/blow down.</u></p>											

STAND TALLY SHEET														
CRUISER	J. LeClair		STAND #	0461118		PLANTATION #	3130022							
PROPERTY #	24786 Mount Pleasant		AREA	2.7 ha		Date	3 /	11 /	2023					
							D	M	Y					
SAMPLE TREE INFORMATION														
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%			
1	BS	10	0.5	1.3	90	4								
2	BF	10	3.4	4.0	90	5								
3	RM	10	1.0	3.0	70	6								
STAND INFORMATION														
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL		M ² /Ha		
Species and (%)	RM20	%	PO20	%	BF20	%	BS20	%	LA, WP, WS 20 %					
Even-aged	X		Uneven-aged						Biomass					
Slope	0 %		Aspect		L									
Stand Origin:	Old Field	X		Partial Cut			Burn			Unploughed				
	Windfall			Non Forest					Ploughed		X			
	Clear Cut	X		Unknown										
Stand Maturity Class:	Regeneration		X		Immature			Mature			Over-mature			
Stand Stocking:	Understocked				Fully Stocked			Overstocked	X		Patchy			
Density:	SW	2,000	HW	4,000										
Advanced Regeneration:	Understocked				Fully Stocked			Overstocked	X		Patchy			
Regeneration:	1. Spp.	RM	Height	4 m		2. Spp.	PO	Height	6 m					
	3. Spp.	BF	Height	1-4 m		4. Spp.	BS	Height	1-2 m					
GROUND OBSERVATIONS														
Ground Vegetation Species Present:	Bunchberry, blueberry, sheep laurel, wild raisin													
Ground Hemlock	X		Y / N											
Invasive Species Present			Y / N		X		If yes then what species:							
Site Indicators			Y / N		X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS														
Water Course	N		Bog			Pond			Stream			Seeps		
Drainage:	Poor			Moderate	X		Good	X		Excellent			Beaver Present	Y / N
Snag Trees:	Adequate	X		Inadequate									Erosion Control Required	Y / N
Coarse Woody Material:	Adequate	X		Inadequate										
Dens	Nests (Raptors, songbirds, etc.)													
Wildlife Observed	Snowshoe hare seen.													
Comments														
STAND PRESCRIPTION														
No Treatment			Regeneration Cut				Crop Tree Release				Block Cut			
Shelterwood Cut			Selection Cut				Patch Cut				Strip Cut			
Commercial Thinning			Afforestation				Site Preparation							
Pre-commercial Thinning			Reforestation				Riparian Zone Mgmt							
Pln. Maint.	X	Y / N		Stems/Ha										
Comments:	Hardwood competition is suppressing conifers such as WP, BS and BF in the stand which a plantation maintenance could help to release.													

STAND TALLY SHEET

CRUISER	J. LeClair	STAND #	0461117, 0461015	PLANTATION #	3130021
PROPERTY #	24786 Mount Pleasant	AREA	3.3 ha	Date	3 / 11 / 2023
				D	M Y

SAMPLE TREE INFORMATION

Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	RM	10	1.5	3	50	4					
2	BS	10	5	4	60	5					
3						6					

STAND INFORMATION

Stand Basal Area	SW	M ² /Ha	SWSL	M ² /Ha	HW	M ² /Ha	HWSL	M ² /Ha
Species and (%)	RM20 %	BF20 %	PO20 %	WP10 %	PC 10 RS or BS 20			
Even-aged X	Uneven-aged						Biomass	
Slope	0 %	Aspect L						
Stand Origin:	Old Field X	Partial Cut		Burn		Unploughed		
	Windfall	Non Forest		Ploughed				
	Clear Cut X	Unknown						
Stand Maturity Class:	Regeneration X		Immature		Mature		Over-mature	
Stand Stocking:	Understocked		Fully Stocked		Overstocked X		Patchy	
Density:	SW 3,000	HW 4,800						
Advanced Regeneration:	Understocked		Fully Stocked		Overstocked X		Patchy	
Regeneration:	1. Spp. BF		Height 1-5 m		2. Spp. RS or BS		Height 2-3 m	
	3. Spp. RM		Height 2-5 m		4. Spp. PO		Height 3 m	

GROUND OBSERVATIONS

Ground Vegetation Species Present:	raspberry, wild raisin, blueberry, bunchberry, sheep laurel	
Ground Hemlock	X	Y / N
Invasive Species Present	Y / N	X If yes then what species:
Site Indicators	Y / N	X If yes then what species:

ENVIRONMENTAL OBSERVATIONS

Water Course	N	Bog	Pond	Stream	Seeps	Beaver Present	Y / N
Drainage:	Poor	Moderate X	Good X	Excellent	Erosion Control Required		Y / N
Snag Trees:	Adequate X	Inadequate					
Coarse Woody Material:	Adequate X		Inadequate				
Dens	Nests (Raptors, songbirds, etc.)						
Wildlife Observed	None seen.						
Comments							

STAND PRESCRIPTION

No Treatment	Regeneration Cut		Crop Tree Release		Block Cut	
Shelterwood Cut	Selection Cut		Patch Cut		Strip Cut	
Commercial Thinning	Afforestation		Site Preparation			
Pre-commercial Thinning	Reforestation		Riparian Zone Mgmt			
Pln. Maint.	X	Y / N	Stems/Ha			

Comments: Wet ground south of stand that may cause potential access issues in the future.

STAND TALLY SHEET												
CRUISER	J. LeClair			STAND #	0460532, 0460438			PLANTATION #				
PROPERTY #	24786 Mount Pleasant			AREA	2.46 ha			Date	3 / 11 / 2023	D	M	Y
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	RS	60+	27	16.5	40	4						
2	RM	60+	24	16	45	5						
3						6						
STAND INFORMATION												
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha	
Species and (%)	BS40	%	RS30	%	RM10	%	PO10	%	BF10			
Even-aged	X	Uneven-aged								Biomass		
Slope	0	%	Aspect	L								
Stand Origin:	Old Field	X	Partial Cut			Burn			Unploughed			
	Windfall		Non Forest					Ploughed				
	Clear Cut		Unknown									
Stand Maturity Class:	Regeneration				Immature			Mature	X	Over-mature	x	
Stand Stocking:	Understocked				Fully Stocked	X		Overstocked			Patchy	
Density:	SW	1,600	HW	500								
Advanced Regeneration:	Understocked		X		Fully Stocked			Overstocked			Patchy	
Regeneration:	1. Spp.	BF	Height	1-3 m		2. Spp.	RS	Height	0.2 m			
	3. Spp.	PO	Height	3 m		4. Spp.		Height				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	wild raisin, bunchberry, starflower, schreibers moss, wintergreen, sheep laurel											
Ground Hemlock	X	Y / N										
Invasive Species Present		Y / N		X	If yes then what species:							
Site Indicators	X	Y / N			If yes then what species:		some spots with spagnum moss - wet					
ENVIRONMENTAL OBSERVATIONS												
Water Course	N	Bog		Pond		Stream		Seeps		Beaver Present	Y / N	
Drainage:	Poor	X	Moderate	X	Good		Excellent		Erosion Control Required		Y / N	
Snag Trees:	Adequate	X	Inadequate									
Coarse Woody Material:	Adequate	X	Inadequate									
Dens		Nests (Raptors, songbirds, etc.)										
Wildlife Observed	Red squirrel seen.											
Comments	Both of these conifer stands are surrounded by very wet hardwood stands.											
STAND PRESCRIPTION												
No Treatment			Regeneration Cut				Crop Tree Release				Block Cut	
Shelterwood Cut			Selection Cut				Patch Cut				Strip Cut	X
Commercial Thinning			Afforestation				Site Preparation		X			
Pre-commercial Thinning			Reforestation		X		Riparian Zone Mgmt					
Pln. Maint.	X	Y / N	Stems/Ha									
Comments:	<p>Could do a strip cut to try to protect existing natural regeneration while leaving some trees in the strips for seed source. Access to these stands may be an issue as surrounding stands have wet soils.</p> <p>If harvest occurs natural regeneration could be supplemented with RS, BS, LA, WA, SM or YB.</p>											

STAND TALLY SHEET											
CRUISER	J. LeClair		STAND #	0460560, 0460557		PLANTATION #	3831641				
PROPERTY #	24786 Mount Pleasant		AREA	0.7 ha		Date	3 / 11 / 2023	D	M	Y	
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	BS	40	17.5	15	35	4					
2	LA	40	29	17	40	5					
3						6					
STAND INFORMATION											
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha
Species and (%)	BS60	%	LA40	%		%					
Even-aged	X		Uneven-aged							Biomass	
Slope	0	%	Aspect	L							
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed				
	Windfall		Non Forest				Ploughed	X			
	Clear Cut		Unknown								
Stand Maturity Class:		Regeneration		Immature	X	Mature		Over-mature			
Stand Stocking:		Understocked		Fully Stocked	X	Overstocked		Patchy			
Density:	SW	1,800	HW								
Advanced Regeneration:		Understocked	X	Fully Stocked		Overstocked		Patchy		X	
Regeneration:	1. Spp.	BF	Height	0.5-3 m	2. Spp.		Height				
	3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	wild raisin, club moss, common elder										
Ground Hemlock	X	Y / N									
Invasive Species Present		Y / N	X	If yes then what species:							
Site Indicators		Y / N	X	If yes then what species:							
ENVIRONMENTAL OBSERVATIONS											
Water Course	N	Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor	Moderate	X	Good	X	Excellent		Erosion Control Required		Y / N	
Snag Trees:	Adequate	Inadequate	X								
Coarse Woody Material:	Adequate	Inadequate	X								
Dens		Nests (Raptors, songbirds, etc.)									
Wildlife Observed	None seen.										
Comments											
STAND PRESCRIPTION											
No Treatment		Regeneration Cut		Crop Tree Release		Block Cut	X				
Shelterwood Cut		Selection Cut		Patch Cut		Strip Cut					
Commercial Thinning		Afforestation		Site Preparation	X						
Pre-commercial Thinning		Reforestation	X	Riparian Zone Mgmt							
Pln. Maint.	X	Y / N	Stems/Ha								
Comments:	Some blowdown is present in the stand but less than 10%. Monitor stand for signs of further decline, and block harvest when appropriate. Could plant WS, BS, WP, LA, SM, YB or WA.										

STAND TALLY SHEET												
CRUISER	J. LeClair			STAND #	0460559			PLANTATION #	3811571			
PROPERTY #	24786 Mount Pleasant			AREA	0.95 ha			Date	3 / 11 / 2023			
								D	M	Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	JL	42	32	18	35	4						
2						5						
3						6						
STAND INFORMATION												
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha	
Species and (%)	JL90	%	BS5	%	BF5	%						
Even-aged X	Uneven-aged									Biomass		
Slope	0	%	Aspect	L								
Stand Origin:	Old Field X		Partial Cut		Burn		Unploughed					
	Windfall		Non Forest				Ploughed X					
	Clear Cut		Unknown									
Stand Maturity Class:	Regeneration				Immature X		Mature		Over-mature			
Stand Stocking:	Understocked				Fully Stocked X		Overstocked		Patchy			
Density:	SW	1,200	HW									
Advanced Regeneration:	Understocked X				Fully Stocked		Overstocked		Patchy	X		
Regeneration:	1. Spp.	BF	Height	0.5-1 m	2. Spp.	BS	Height	0.5-1 m				
	3. Spp.	RM	Height	2-3 m	4. Spp.	WA	Height	1 m				
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	bracken fern, dwarf raspberry, wild raisin, bunchberry											
Ground Hemlock	Y / N	X										
Invasive Species Present		Y / N	X		If yes then what species:							
Site Indicators		Y / N	X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS												
Water Course	N		Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor		Moderate		Good	X	Excellent				Erosion Control Required	Y / N
Snag Trees:	Adequate		Inadequate	X								
Coarse Woody Material:	Adequate		Inadequate	X								
Dens			Nests (Raptors, songbirds, etc.)									
Wildlife Observed	Red squirrel seen.											
Comments												
STAND PRESCRIPTION												
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut					
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut	X				
Commercial Thinning			Afforestation		Site Preparation	X						
Pre-commercial Thinning			Reforestation	X	Riparian Zone Mgmt							
Pln. Maint.	X	Y / N	Stems/Ha									
Comments:	JL stand is free of disease at this time and has minimal blowdown. Monitor for signs of stand decline, and if harvest is required do a modified strip harvest (overstory removal) with the goal of salvaging wood while retaining natural regeneration, as understory regeneration, while not fully stocked is significant. Could supplement natural regeneration by planting WS, BS, LA, WP, SM, WA or YB.											

STAND TALLY SHEET												
CRUISER	J. LeClair			STAND #	0460560			PLANTATION #	3610003			
PROPERTY #	24786 Mount Pleasant			AREA	2.8 ha			Date	3 / 11 / 2023			
								D	M	Y		
SAMPLE TREE INFORMATION												
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	
1	SP	62	32	17	30	4						
2	RM	62	24	17	50	5						
3						6						
STAND INFORMATION												
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha	
Species and (%)	SP80	%	RM10	%	RP5	%	WA5	%				
Even-aged	X		Uneven-aged							Biomass		
Slope	0	%	Aspect	L								
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed					
	Windfall		Non Forest				Ploughed					
	Clear Cut		Unknown									
Stand Maturity Class:	Regeneration		Immature		Mature	X	Over-mature					
Stand Stocking:	Understocked		Fully Stocked	X	Overstocked		Patchy					
Density:	SW	2,000	HW	200								
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy					
Regeneration:	1. Spp.	BF	Height	2 m	2. Spp.	RM	Height	2-3 m				
	3. Spp.	SM	Height	3 m	4. Spp.		Height					
GROUND OBSERVATIONS												
Ground Vegetation Species Present:	bracken fern, beaked hazelnut											
Ground Hemlock	Y / N	X										
Invasive Species Present		Y / N	X		If yes then what species:							
Site Indicators		Y / N	X		If yes then what species:							
ENVIRONMENTAL OBSERVATIONS												
Water Course	N		Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor		Moderate	X	Good	X	Excellent				Erosion Control Required	Y / N
Snag Trees:	Adequate		Inadequate	X								
Coarse Woody Material:	Adequate		Inadequate	X								
Dens			Nests (Raptors, songbirds, etc.)									
Wildlife Observed	Red squirrel seen.											
Comments												
STAND PRESCRIPTION												
No Treatment			Regeneration Cut		Crop Tree Release		Block Cut					
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut	X				
Commercial Thinning			Afforestation		Site Preparation	X						
Pre-commercial Thinning			Reforestation	X	Riparian Zone Mgmt							
Pln. Maint.	X	Y / N	Stems/Ha									
Comments:	<p>The stand is in decent health but as SP is invasive it may be good to do a modified strip harvest to remove SP, leaving RM, RP and other hardwoods such as WA for retention. Some SP could be girdled to remain as snags for wildlife. Could plant WP, WS, BS, LA, SM, YB or WA.</p>											

STAND TALLY SHEET											
CRUISER	J. LeClair			STAND #	0460816			PLANTATION #	3020152		
PROPERTY #	24786 Mount Pleasant			AREA	0.2 ha			Date	20 / 10 / 2023		
								D	M	Y	
SAMPLE TREE INFORMATION											
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	RM	21	16	12.6	50	4					
2	PO	21	15.5	15	30	5					
3						6					
STAND INFORMATION											
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha
Species and (%)	RM30 %	PO30 %	GB20 %				AI, WA, Elm 10%				
Even-agec	X	Uneven-aged								Biomass	
Slope	0 %	Aspect	L								
Stand Origin:	Old Field	X	Partial Cut		Burn		Unploughed				
	Windfall		Non Forest				Ploughed				
	Clear Cut	X	Unknown								
Stand Maturity Class:	Regeneration		Immature	X	Mature		Over-mature				
Stand Stocking:	Understocked		Fully Stocked		Overstocked	X	Patchy				
Density:	SW		HW	3,200							
Advanced Regeneration:	Understocked	X	Fully Stocked		Overstocked		Patchy				
Regeneration:	1. Spp.	RM	Height	1.5 m	2. Spp.	WA	Height	1.4 m			
	3. Spp.		Height		4. Spp.		Height				
GROUND OBSERVATIONS											
Ground Vegetation Species Present:	dewberry, coltsfoot, sensitive fern, horsetail, alternate leaved dog wood.										
Ground Hemlock	Y / N	X									
Invasive Species Present		Y / N	X		If yes then what species:						
Site Indicators	X	Y / N			If yes then what species:	sensitive fern, alders - wet site					
ENVIRONMENTAL OBSERVATIONS											
Water Course	N	Bog		Pond		Stream		Seeps		Beaver Present	Y / N
Drainage:	Poor	X	Moderate	X	Good		Excellent			Erosion Control Required	Y / N
Snag Trees:	Adequate		Inadequate	X							
Coarse Woody Material:	Adequate		Inadequate	X							
Dens		Nests (Raptors, songbirds, etc.)									
Wildlife Observed	Ruffed grouse seen in stand.										
Comments											
STAND PRESCRIPTION											
No Treatment		X	Regeneration Cut		Crop Tree Release		Block Cut				
Shelterwood Cut			Selection Cut		Patch Cut		Strip Cut				
Commercial Thinning			Afforestation		Site Preparation						
Pre-commercial Thinning			Reforestation		Riparian Zone Mgmt						
Pln. Maint.	Y / N	Stems/Ha									
Comments:	This stand is a failed WP plantation. No treatment recommended at this time.										

STAND TALLY SHEET																
CRUISER	J. LeClair			STAND #	0461097			PLANTATION #	3130052							
PROPERTY #	24786 Mount Pleasant			AREA	0.55 ha			Date	20 /	10 /	2023					
								D	M	Y						
SAMPLE TREE INFORMATION																
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%					
1	BF	10	2.5	3.1	85	4										
2	BS	10	2.4	2.8	90	5										
3						6										
STAND INFORMATION																
Stand Basal Area	SW		M ² /Ha	SWSL		M ² /Ha	HW		M ² /Ha	HWSL	M ² /Ha					
Species and (%)	BF60	%	BS20	%	RM10	%	PC, PO, GB 10%									
Even-aged	X		Uneven-aged							Biomass						
Slope	0 %		Aspect		L											
Stand Origin:	Old Field	X		Partial Cut			Burn			Unploughed						
	Windfall			Non Forest					Ploughed							
	Clear Cut			Unknown												
Stand Maturity Class:	Regeneration		X		Immature			Mature			Over-mature					
Stand Stocking:	Understocked				Fully Stocked	X		Overstocked			Patchy					
Density:	SW	1,850	HW	650												
Advanced Regeneration:	Understocked				Fully Stocked	X		Overstocked			Patchy					
Regeneration:	1. Spp.	BF		Height	3-4 m		2. Spp.	RM		Height	3-5 m					
	3. Spp.	BS		Height	3 m		4. Spp.			Height						
GROUND OBSERVATIONS																
Ground Vegetation Species Present:	wild raisin, honeysuckle															
Ground Hemlock	Y / N		X													
Invasive Species Present	Y / N		X		If yes then what species:											
Site Indicators	Y / N		X		If yes then what species:											
ENVIRONMENTAL OBSERVATIONS																
Water Course	N		Bog			Pond			Stream			Seeps			Beaver Present	Y / N
Drainage:	Poor			Moderate			Good	X		Excellent			Erosion Control Required		Y / N	
Snag Trees:	Adequate				Inadequate		X									
Coarse Woody Material:	Adequate		X		Inadequate											
Dens			Nests (Raptors, songbirds, etc.)													
Wildlife Observed	None seen.															
Comments																
STAND PRESCRIPTION																
No Treatment			X		Regeneration Cut			Crop Tree Release			Block Cut					
Shelterwood Cut					Selection Cut			Patch Cut			Strip Cut					
Commercial Thinning					Afforestation			Site Preparation								
Pre-commercial Thinning					Reforestation			Riparian Zone Mgmt								
Pln. Maint.	Y / N				Stems/Ha											
Comments:	Recent plantation maintenance was done in 2023.															

STAND TALLY SHEET

CRUISER	J. LeClair	STAND #	0461097	PLANTATION #	3130051
PROPERTY #	24786 Mount Pleasant	AREA	1.0 ha	Date	20 / 10 / 2023
				D	M

SAMPLE TREE INFORMATION

Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%
1	BF	10	3	3	80	4					
2	WP	10	3.1	3.2	80	5					
3						6					

STAND INFORMATION

Stand Basal Area	SW	M ² /Ha	SWSL	M ² /Ha	HW	M ² /Ha	HWSL	M ² /Ha	
Species and (%)	BF50 %	WP30 %	RM10 %	WS5 %	PC, GB 5%				
Even-agec	<input checked="" type="checkbox"/> X	Uneven-aged	<input type="checkbox"/>					Biomass	<input type="checkbox"/>
Slope	<input type="checkbox"/> 0 %	Aspect	<input type="checkbox"/> L						
Stand Origin:	Old Field <input checked="" type="checkbox"/> X	Partial Cut	<input type="checkbox"/>	Burn	<input type="checkbox"/>	Unploughed	<input type="checkbox"/>		
	Windfall	<input type="checkbox"/>	Non Forest	<input type="checkbox"/>	Ploughed			<input type="checkbox"/>	
	Clear Cut	<input type="checkbox"/>	Unknown	<input type="checkbox"/>				<input type="checkbox"/>	
Stand Maturity Class:	Regeneration	<input checked="" type="checkbox"/> X	Immature	<input type="checkbox"/>	Mature	<input type="checkbox"/>	Over-mature	<input type="checkbox"/>	
Stand Stocking:	Understocked	<input type="checkbox"/>	Fully Stocked	<input checked="" type="checkbox"/> X	Overstocked	<input type="checkbox"/>	Patchy	<input type="checkbox"/>	
Density:	SW	1,500	HW	450					
Advanced Regeneration:	Understocked	<input type="checkbox"/>	Fully Stocked	<input checked="" type="checkbox"/> X	Overstocked	<input type="checkbox"/>	Patchy	<input type="checkbox"/>	
Regeneration:	1. Spp.	BF	Height	3-3.5 m	2. Spp.	WP	Height	3-3.5 m	
	3. Spp.	RM	Height	4 m	4. Spp.		Height		

GROUND OBSERVATIONS

Ground Vegetation Species Present:	alternate leaved dogwood, wild raisin		
Ground Hemlock	<input type="checkbox"/> Y / N	<input checked="" type="checkbox"/> X	
Invasive Species Present	<input type="checkbox"/> Y / N	<input checked="" type="checkbox"/> X	If yes then what species:
Site Indicators	<input type="checkbox"/> Y / N	<input checked="" type="checkbox"/> X	If yes then what species:

ENVIRONMENTAL OBSERVATIONS

Water Course	<input type="checkbox"/> N	Bog	<input type="checkbox"/>	Pond	<input type="checkbox"/>	Stream	<input type="checkbox"/>	Seeps	<input type="checkbox"/>	Beaver Present	<input type="checkbox"/> Y / N
Drainage:	Poor	<input type="checkbox"/>	Moderate	<input type="checkbox"/>	Good	<input checked="" type="checkbox"/> X	Excellent	<input type="checkbox"/>	Erosion Control Required	<input type="checkbox"/> Y / N	
Snag Trees:	Adequate	<input type="checkbox"/>	Inadequate	<input checked="" type="checkbox"/> X							
Coarse Woody Material:	Adequate	<input type="checkbox"/>	Inadequate	<input checked="" type="checkbox"/> X							
Dens	<input type="checkbox"/>	Nests (Raptors, songbirds, etc.)									
Wildlife Observed	None seen.										
Comments											

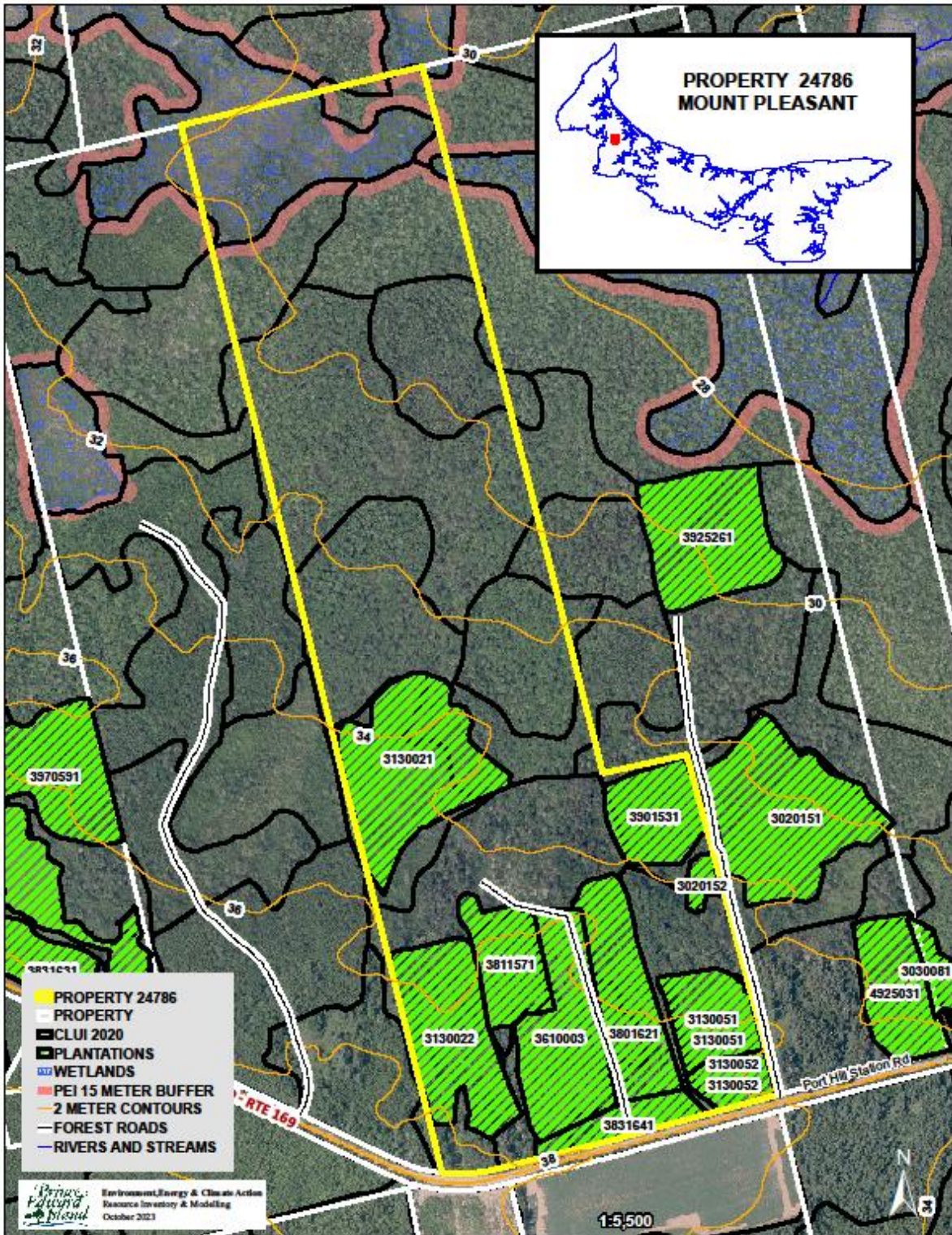
STAND PRESCRIPTION

No Treatment	<input type="checkbox"/>	<input checked="" type="checkbox"/> X	Regeneration Cut	<input type="checkbox"/>	Crop Tree Release	<input type="checkbox"/>	Block Cut	<input type="checkbox"/>
Shelterwood Cut	<input type="checkbox"/>		Selection Cut	<input type="checkbox"/>	Patch Cut	<input type="checkbox"/>	Strip Cut	<input type="checkbox"/>
Commercial Thinning	<input type="checkbox"/>		Afforestation	<input type="checkbox"/>	Site Preparation	<input type="checkbox"/>		
Pre-commercial Thinning	<input type="checkbox"/>		Reforestation	<input type="checkbox"/>	Riparian Zone Mgmt	<input type="checkbox"/>		
Pln. Maint.	<input type="checkbox"/> Y / N	Stems/Ha	<input type="checkbox"/>					
Comments:	Recent plantation maintenance done in 2023.							

STAND TALLY SHEET																	
0460806, 0461015,																	
CRUISER	J. LeClair			STAND #	0460787, 0461300			PLANTATION #									
PROPERTY #	24786 Mount Pleasant			AREA	13.6 ha		Date	3 / 11 / 2023									
SAMPLE TREE INFORMATION																	
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%						
1	WA	40+	16	13	40	4											
2	PO	40+	25	18	30	5											
3						6											
STAND INFORMATION																	
Stand Basal Area	SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha						
Species and (%)	RM20 %	PO20 %	WA20 %				WB, GB 20% Mtn Ash, AI, BS, BF 20%										
Even-aged	X	Uneven-aged		Biomass													
Slope	0 %		Aspect		L												
Stand Origin:	Old Field	X		Partial Cut	Burn		Unploughed										
	Windfall			Non Forest			Ploughed										
	Clear Cut			Unknown													
Stand Maturity Class:	Regeneration				Immature	X		Mature	Over-mature								
Stand Stocking:	Understocked				Fully Stocked	X		Overstocked	Patchy								
Density:	SW	100		HW	2,200												
Advanced Regeneration:	Understocked		X		Fully Stocked			Overstocked	Patchy								
Regeneration:	1. Spp.	RM		Height	2 m		2. Spp.	BF		Height	1-5 m						
	3. Spp.			Height			4. Spp.			Height							
GROUND OBSERVATIONS																	
Ground Vegetation Species Present:	red-osier dogwood, sensitive fern, beaked hazelnut																
Ground Hemlock	X		Y / N														
Invasive Species Present			Y / N		X		If yes then what species:										
Site Indicators	X		Y / N		If yes then what species: sensitive fern, red-osier : wet site												
ENVIRONMENTAL OBSERVATIONS																	
Water Course	N		Bog			Pond			Stream			Seeps			Beaver Present	Y / N	
Drainage:	Poor		X		Moderate	X		Good			Excellent			Erosion Control Required	Y / N		
Snag Trees:	Adequate		X		Inadequate												
Coarse Woody Material:	Adequate		X		Inadequate												
Dens			Nests (Raptors, songbirds, etc.)														
Wildlife Observed	None seen.																
Comments																	
STAND PRESCRIPTION																	
No Treatment			X		Regeneration Cut			Crop Tree Release			Block Cut						
Shelterwood Cut					Selection Cut			Patch Cut			Strip Cut						
Commercial Thinning					Afforestation			Site Preparation									
Pre-commercial Thinning					Reforestation			Riparian Zone Mgmt									
Pln. Maint.	Y / N				Stems/Ha												
Comments:	Some blowdown PO in the stand.																

STAND TALLY SHEET															
CRUISER		J. LeClair		STAND #		0460790, 0460782, 0461156, 0461301, 0460786, 0460526, 0461264		PLANTATION #							
PROPERTY #		24786 Mount Pleasant		AREA		7.51 ha		Date		3 / 11 / 2023					
								D		M Y					
SAMPLE TREE INFORMATION															
Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%	Tree#	SPP.	AGE	D.B.H.	HEIGHT	LCR%				
1	RM	40+	15	12	60	4									
2	BF	10+	7	6	90	5									
3						6									
STAND INFORMATION															
Stand Basal Area		SW	M ² /Ha		SWSL	M ² /Ha		HW	M ² /Ha		HWSL	M ² /Ha			
Species and (%)		RM30 %	AI30 %	BF10 %	WA10 %	Willow, GB, PO 20%									
Even-aged		X		Uneven-aged		Biomass									
Slope		0 %		Aspect		L									
Stand Origin:		Old Field		Partial Cut		Burn		Unploughed							
		Windfall		Non Forest		Ploughed									
		Clear Cut		Unknown											
Stand Maturity Class:		Regeneration		Immature		X		Mature		Over-mature					
Stand Stocking:		Understocked		Fully Stocked		X		Overstocked		Patchy					
Density:		SW	800		HW	1,400									
Advanced Regeneration:		Understocked		Fully Stocked		X		Overstocked		Patchy					
Regeneration:		1. Spp. RM		Height		2 m		2. Spp.		Height					
		3. Spp.		Height				4. Spp.		Height					
GROUND OBSERVATIONS															
Ground Vegetation Species Present:		interrupted fern, red-osier dogwood, sphagnum moss													
Ground Hemlock		X		Y / N		X									
Invasive Species Present		Y / N		X		If yes then what species:									
Site Indicators		X		Y / N		If yes then what species: Spagnum moss - wet site									
ENVIRONMENTAL OBSERVATIONS															
Water Course		Y		Bog		Pond		Stream		Y		Seeps	Beaver Present	Y / N	
Drainage:		Poor		X		Moderate		Good		Excellent		Erosion Control Required			Y / N
Snag Trees:		Adequate		X		Inadequate									
Coarse Woody Material:		Adequate		X		Inadequate									
Dens		Nests (Raptors, songbirds, etc.)													
Wildlife Observed		None seen.													
Comments		Buffer wetland 15 m													
STAND PRESCRIPTION															
No Treatment		X		Regeneration Cut		Crop Tree Release		Block Cut							
Shelterwood Cut				Selection Cut		Patch Cut		Strip Cut							
Commercial Thinning				Afforestation		Site Preparation									
Pre-commercial Thinning				Reforestation		Riparian Zone Mgmt									
Pln. Maint.		Y / N		Stems/Ha											
Comments:		Stands 0469231 and 04616081 are mapped wetlands. The surrounding stands are hardwood dominant with fairly wet soils. No treatment recommended.													

Appendix G. Plantation Map with Contour Lines



Appendix H. Work Completed

Activity Number	Treatment Code	Amount Completed	Treatment Date	Treatment Description
3811571	110	1.06	2000-02-02	Commercial Softwood< 5000 /Ha
6500051	110	1.52	2001-01-12	Commercial Softwood< 5000 /Ha
	16	0	2022-10-11	Misc. Road Maintenance
0	16A	0.2	2012-01-16	Manual roadside trimming (brush saw)
3971571	25B	1.01	1990-09-28	Chemical Broadcast
3150021	30B	2600	2015-06-23	Manual Site Preparation per Site (Hawk)
313005	30B	2667	2013-06-19	Manual Site Preparation per Site (Hawk)
313002	30B	6237	2013-06-19	Manual Site Preparation per Site (Hawk)
3130022	51W	2898	2013-06-19	BLACK SPRUCE - WESTERN
3130021	51W	3339	2013-06-19	BLACK SPRUCE - WESTERN
3130052	51W	819	2013-06-19	BLACK SPRUCE - WESTERN
3901531	51W	1764	1990-06-18	BLACK SPRUCE - WESTERN
3901531	51W	732	1992-07-13	BLACK SPRUCE - WESTERN
3901531	53W	0.84	1992-07-13	RED PINE - WESTERN
3901531	53W	1504	1992-07-13	RED PINE - WESTERN
3901531	56W	252	1992-07-13	WHITE PINE - WESTERN
3130051	56W	1848	2013-06-19	WHITE PINE - WESTERN
3150021	56WF	2600	2015-06-23	FILL PLANT WHITE PINE - WESTERN
3836461	88A	2.69	1997-03-27	Class 1 : Manual : 0 -5000/Ha <6 Metres
3831641	88B	0.47	1990-11-23	Class 2 : Manual : 5001-10000/Ha <6 Metres
3901531	88B	1.14	2012-01-16	Class 2 : Manual : 5001-10000/Ha <6 Metres
3130022	88B	2.5	2021-03-01	Class 2 : Manual : 5001-10000/Ha <6 Metres
3130021	88C	2.76	2021-03-01	Class 3 : Manual : 10001-15000/Ha <6 Metres
0	88C	1.06	1991-09-05	Class 3 : Manual : 10001-15000/Ha <6 Metres
	88D	1.1	2023-03-29	Class 4 : Manual : 15001-20000/Ha <6 Metres
	88D	0.5	2023-05-09	Class 4 : Manual : 15001-20000/Ha <6 Metres
3120559	92	1.56	2012-09-15	Clearcut Block
3120566	93	1.22	2012-09-15	Patch Cut
3120567	93	1.37	2012-09-15	Patch Cut